

**GRAY LEVEL HALFTONE PROCESSING**

**Abstract of the Disclosure**

- 5 An image processing method and apparatus for generating a gray level rendered pixel value that has been subjected to a halftoning process. In the method and apparatus a gray level pixel value of the pixel to be rendered by the halftoning process is provided as one input to a lookup table. A coordinate value that is determined from a pixel location in the image of the pixel to be rendered by the halftoning process is also provided as a second input to the lookup table. The
- 10 first and second inputs represent an address in the lookup table of a rendered halftone value for halftone rendering of the pixel having the input gray value and the pixel location in the image.